

Listing of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-129. (Cancelled)

130. (New) A diagnostic device comprising:

a housing comprising i) an opening for receiving a sample, ii) a first chamber into which the sample may be directed, iii) a first channel positioned to provide unreacted sample to the first chamber, and iv) a second channel positioned to remove unreacted sample from the first chamber;

a test strip removably attached to the housing, wherein the test strip defines a test surface in fluid communication with the first chamber so that the sample may be reacted;

a second chamber positioned for receipt of unreacted sample from the first chamber, the second chamber in fluid communication with the second channel;

means for inducing a negative pressure differential on the sample comprising a syringe having a piston that slidingly and sealably engages the second chamber, the means for inducing a negative pressure differential on the sample directs the sample through the first channel, into the first chamber, to the test surface, and thereafter removes an unreacted portion of the sample from the test surface, through the second channel, and into the second chamber; and

a first indicator corresponding to a first piston position that indicates the sample has reached the first chamber and a second indicator, the second indicator

corresponding to a second piston position that indicates the sample has reached the second chamber.

131. (New) The diagnostic device of claim 130, wherein the test surface is a diffraction-based test surface.

132. (New) The diagnostic device of claim 131, wherein the device further comprises diffraction-enhancing elements.

133. (New) The diagnostic device of claim 131, wherein the test surface is defined by a polymer film or metal-coated polymer film.

134. (New) The diagnostic device of claim 130, wherein the second chamber has a volume sufficient to contain the entire sample.

135. (New) The diagnostic device of claim 130, further comprising a third chamber positioned for receipt of unreacted sample from the opening, the third chamber located upstream of the first chamber, the third chamber in fluid communication with the first channel; and a third channel, the third channel positioned to provide unreacted sample from the opening to the third chamber.

136. (New) The diagnostic device of claim 135, wherein the third chamber comprises a means for separating one or more components from the sample comprising a filter, membrane, film, nonwoven, paper, precipitating agent, cell lysing agent, or combination thereof.

137. (New) The diagnostic device of claim 136, wherein the means for separating one or more components from the sample removes red blood cells from the sample.

138. (New) The diagnostic device of claim 135, wherein the third chamber comprises a means for diluting the sample comprising a diluent.

139. (New) The diagnostic device of claim 135, wherein the device further comprises a third indicator corresponding to a third piston position that indicates the sample has reached the third chamber.

140. (New) The diagnostic device of claim 130, wherein the test surface is applied with an analyte-specific binder.

141. (New) The diagnostic device of claim 130, wherein the first channel is formed by a capillary tube.

142. (New) The diagnostic device of claim 130, wherein the sample is blood.